



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington DC 20460. Do not send the form to this address.

DATA MATRIX

Date: March 13, 2020	EPA Reg No./ File Symbol 9804-1	Page 1 of 8
Applicant's/Registrant's Name and Address: Bio-Cide International Inc. P.O. Box 722170 Norman, OK 73070	Product: Oxine	

Ingredient: Chlorine dioxide (PC 20503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<u>PRODUCT CHEMISTRY:</u>					
830.1550	Product Identity and Composition	42565802			
830.1600	Description of Materials Used to Produce the Product	48520301	BIO-CIDE INTERNATIONAL INC	OWN	
830.1620	Description of Production Process	48520301	BIO-CIDE INTERNATIONAL INC	OWN	
830.1650	Description of Formulation Process	48520301	BIO-CIDE INTERNATIONAL INC	OWN	
830.1670	Discussion of Formation of Impurities				
830.1700	Preliminary Analysis	43441904 48970801	BIO-CIDE INTERNATIONAL INC	OWN	
830.1750	Certification of Limits	42565802	BIO-CIDE INTERNATIONAL INC	OWN	
830.1800	Analytical Methods to Verify Certified Limits	48522102	BIO-CIDE INTERNATIONAL INC	OWN	
830.1900	Submittal of Samples	Upon Request			
830.6302	Color	43441904 48522101	BIO-CIDE INTERNATIONAL INC	OWN	
830.6303	Physical State	48522101	BIO-CIDE INTERNATIONAL INC	OWN	
830.6304	Odor	48522101	BIO-CIDE INTERNATIONAL INC	OWN	
830.7300	Density, Bulk Density or Specific Gravity	48522101	BIO-CIDE INTERNATIONAL INC	OWN	

Signature 	Name and Title Dr. Connie B. Welch-DuJardin, Authorized Representative	Date March 13, 2020
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Ingredient: Chlorine dioxide (PC 20503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000	pH	48522101	BIO-CIDE INTERNATIONAL INC	OWN	
830.6314	Oxidizing or Reducing Action	42442901			
830.6315	Flammability				NR-Product does not contain combustible liquids
830.6316	Explosibility				NR-Product is not potentially explosive
830.6317	Storage Stability	127121 49058701	BIO-CIDE INTERNATIONAL INC	OWN	
830.7100	Viscosity	48522101	BIO-CIDE INTERNATIONAL INC	OWN	
830.6320	Corrosion Characteristics	42486401			
830.6321	Dielectric Breakdown Voltage				NR-Product is not an insulating conductive
<u>TOXICITY:</u>					
870.1100 (81-1)	Acute Oral Toxicity: Rat	147027 41919701 43441901	BIO-CIDE INTERNATIONAL INC	OWN	
870.1200 (81-2)	Acute Dermal Toxicity: Rat	147028 41919702 43441902	BIO-CIDE INTERNATIONAL INC	OWN	
870.1300 (81-3)	Acute Inhalation Toxicity: Rat	40660101 40660102 41919703	BIO-CIDE INTERNATIONAL INC	OWN	

Signature <i>Dr. Connie B. Welch-DuJardin</i>	Name and Title Dr. Connie B. Welch-DuJardin, Authorized Representative	Date March 13, 2020
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Ingredient: Chlorine dioxide (PC 20503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.2400 (81-4)	Primary Eye Irritation: Rabbit	147030 41919704 43441903	BIO-CIDE INTERNATIONAL INC	OWN	
870.2500 (81-5)	Primary Dermal Irritation	147029 41919705	BIO-CIDE INTERNATIONAL INC	OWN	
870.2600 (81-6)	Dermal Sensitization	42442902 48450701 48450702	BIO-CIDE INTERNATIONAL INC SODIUM CHLORITE BIOCIDAL PRODUCT DIRECTIVE REG GROUP	OWN	
<u>RESIDUE:</u>					
860.1340; 860.1500	Crop Field Trials/Residue Analytical Method	50545001	BIO-CIDE INTERNATIONAL INC	OWN	
<u>EFFICACY:</u>					
810.2200	Efficacy Testing in Support of General Disinfection Claims for Hospital, Laboratory and Other Similar Uses	114094	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Confirmative in vitro Test for Determining Tuberculocidal Activity in Support of Tuberculocidal Claims	118056	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Germicidal and Detergent Sanitizer Test	40385901	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	AOAC Available Chlorine Germicidal Equivalent Concentration Test	40591101	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucide Assay, EPA Method, New Castle Disease Virus	41808201	BIO-CIDE INTERNATIONAL INC	OWN	

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Ingredient: Chlorine dioxide (PC 20503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
810.2200	Virucide Assay, EPA Method, Pseudorabies Virus	41808202	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucide Assay, EPA Method, Canine Parvovirus	41808203	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Qualitative Tuberculocidal Test	41808204	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Qualitative Tuberculocidal Test Log Reduction Method	45018001	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Fungicidal Activity of a Disinfectant	45762401	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Tuberculocidal Efficacy	45762402	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy: Coxsackie Virus	45762403	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy: Polio Virus Type 2	45762404	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy: Herpes Simplex Virus Type 1	45762405	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy: Rhino Virus	45762406	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Disinfectant Efficacy Test	45762407	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Virus: Respiratory syncytial virus: Respigene GP 0007-34-D and Respigene GP 0007-35-D	45762408	BIO-CIDE INTERNATIONAL INC	OWN	

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Ingredient: Chlorine dioxide (PC 20503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Cytomegalovirus: Respigene GP 0007-34-D and Respigene GP 0007-35-D	45762409	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Sporicidal Activity Disinfectants: Bacillus subtilis, Clostridium sporogenes	46133001	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Sporicidal Activity of Oxine by the Methods of the AOAC Confirmatory Sporicidal Test 966.04	46369601	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Avian Influenza A (H3N2) Virus (Avian Reassortant)	46781001	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Human Immunodeficiency Virus Type 1	46901202	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces Utilizing Bovine Viral Diarrhea Virus as a Surrogate Virus for Human Hepatitis C Virus	46901203	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy Of a Disinfectant For Use On Inanimate Environmental Surfaces Utilizing Bovine Viral Diarrhea Virus As a Surrogate Virus For Human Hepatitis C Virus	46919501	BIO-CIDE INTERNATIONAL INC	OWN	

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Ingredient: Chlorine dioxide (PC 20503)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Avian Influenza A (H3N2) virus (Avian Reassortant)	46923101	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	AOAC Use Dilution Method: Staphylococcus aureus: MRSA (ATCC 33592)	47199901	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	AOAC Use Dilution Method: Enterococcus faecalis Vancomycin Resistant (ATCC 51299)	47199902	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Influenza A virus	47847401	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Swine Influenza A (H1N1) virus	47847402	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Porcine Epidemic Diarrhea Virus	49481401	BIO-CIDE INTERNATIONAL INC	OWN	
810.2300	AOAC Available Chlorine in Disinfectants. Test Organisms: <i>Salmonella enterica</i> subspecies <i>enterica</i> serovar Typhi (ATCC 6539)	50099601	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Fungicidal Use-Dilution Method. Test Organisms: <i>Trichophyton mentagrophytes</i> (ATCC 9533)	50099602	BIO-CIDE INTERNATIONAL INC	OWN	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Virus Human Immunodeficiency Virus type 1	50099603	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Virus – 2009-H1N1 Influenza A Virus (Novel H1N1)	50099604	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces: Virus – Poliovirus type 1	50099605	BIO-CIDE INTERNATIONAL INC	OWN	
810.2300	AOAC Use-Dilution Method: Test Organisms – <i>Pseudomonas aeruginosa</i> (ATCC 15442), <i>Staphylococcus aureus</i> (ATCC 6538)	50099606	BIO-CIDE INTERNATIONAL INC	OWN	
810.2600	AOAC Disinfectant (Water) for Swimming Pools; Test Organisms: <i>Enterococcus faecium</i> (ATCC 6569), <i>Escherichia coli</i> (ATCC 11229)	50109101	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	Virucidal Efficacy of a Disinfectant for Use on Inanimate Environmental Surfaces – Bovine Viral Diarrhea Virus (Hepatitis C)	50361201	BIO-CIDE INTERNATIONAL INC	OWN	
810.2200	GLP AOAC 965.12 Tuberculocidal Activity of Disinfectants	50754301	BIO-CIDE INTERNATIONAL INC	OWN	
EXPOSURE:					
875.2500	Inhalation Exposure - HVAC	46919601	BIO-CIDE INTERNATIONAL INC	OWN	

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Ingredient: Chlorine dioxide (PC 20503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
875.1200	Dermal Exposure-Indoor - HVAC	46919602	BIO-CIDE INTERNATIONAL INC	OWN	

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